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X and Y are the same or different, and each may represent a hydrogen atom, a lower alkyl groups, or simple hetero-atom containing group or, together with the nitrogen atom to which they are attached, form a nitrogen-containing heterocyclic group;

R<sup>a</sup> represents a straight or branched chain alkylene or/alkenylene group having from 1 to 6 carbon atoms and each optionally being substituted by from 1 to 4 alkyl groups each having from 1 to 3 carbon atoms;

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R<sup>b</sup> and R<sup>c</sup> represents an alkylene or alkylene group having 3 or 4 carbon atoms in a straight chain, each being optionally substituted by a 1 or 2 alkyl groups each having from 1 to 3 carbon atoms, the total number of carbon atoms in said straight chains of R<sup>b</sup> and R<sup>c</sup> being 7;

R<sup>2</sup> and R<sup>3</sup> are the same as or different from each other and each represents a hydrogen atom, or a group of formula R, RCO-, ROCO-, or RNHCO-, where

R represents a lower alkyl group or an aryl group, said alkyl or aryl group being optionally substituted by one or more of the substituents a, defined below;

the chiral carbon atom indicated by the asterisk is in the  $\underline{L}$  configuration;

Z is an aromatic amino acid residue;

n is 0 or 1;

R<sup>1</sup> represents a hydrogen atom or a lower alkyl group or an aryl group, said alkyl or aryl group being optionally substituted by one or more of the substituents a, defined below:

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W represents a hydrogen atom or an alkylor aryl group; and

substituents a are selected from: halogen atoms, amino groups, alkylamino groups, dialkylamino groups, cyano groups, hydroxy groups, alkyl groups (except when the substituted group is akyl), aryl groups, carbamoyl groups, alkylcarbamoyl groups, dialkylcarbamoyl groups and carboxy groups and esters thereof;

and pharmaceutically acceptable salts thereof.

2. (Amended) A compound according to Claim 1, having the formula (Ia):

$$\begin{array}{c|c} O & & & \\ | & & \\ Q - R^a - C^*H - C - Z_n - N - R^b - NH - R^c - NH_2 \\ & & \\ | & & \\ NR^2R^3 & & R^1 \\ & & & \\ & &$$

wherein Q, Ra, Rb, Rc, R2, R3, Z, n, and R1 are as in Claim 1.



- 5. (Amended) A non-toxic compound of formula (I) as defined in Claim 1.
- 6. (Amended) A non-toxic compound of formula (Ia) as defined in Claim 2.

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Please add the following new claims.

19. A composition consisting essentially of a compound having the formula (I)

wherein:

Q represents an amidino group, a cyano group or a group of formula XYN-, where

X and Y are the same or different, and each may represent a hydrogen atom, a lower alkyl groups, or simple hetero-atom containing group or, together with the nitrogen atom to which they are attached, form a nitrogen-containing heterocyclic group;

R<sup>a</sup> represents a straight or branched chain alkylene or alkenylene group having from 1 to 6 carbon atoms and each optionally being substituted by from 1 to 4 alkyl groups each having from 1 to 3 carbon atoms.

R<sup>b</sup> and R<sup>c</sup> represents an alkylene or alkylene group having 3 or 4 carbon atoms in a straight chain, each being optionally substituted by a 1 or 2 alkyl groups each having from 1 to 3 carbon atoms, the total number of carbon atoms in said straight chains of R<sup>b</sup> and R<sup>c</sup> being 7;

R<sup>2</sup> and R<sup>3</sup> are the same as or different from each other and each represents a hydrogen atom, or a group of formula R, RCO-, ROCO-, or RNHCO-, where

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R represents a lower alkyl group or an aryl group, said akyl or aryl group being optionally substituted by one or more of the substituents a, defined below;

the chiral carbon atom indicated by the asterisk is in the L configuration;

Z is an aromatic amino acid residue;

n is 0 or 1;

R<sup>1</sup> represents a hydrogen atom or a lower alkyl group or an aryl group, said alkyl or aryl group being optionally substituted by one or more of the substituents a, defined below;

W represents a hydrogen atom or an alkyl of aryl group; and

substituents a are selected from: halogen/atoms, amino groups, alkylamino groups, dialkylamino groups, cyano groups, hydroxy groups, alkyl groups (except when the substituted group is akyl), aryl groups, carbamoyl groups, alkylcarbamoyl groups, dialkylcarbamoyl groups and carboxy groups and esters thereof;

and pharmaceutically acceptable salts thereof.

- 20. The composition of claim 19, wherein the compound having formula (I) contains less than 1% of contaminants.
- 21. The composition of claim 19, wherein the composition is non-toxic.

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- 22. The composition of claim 19, wherein the composition does not exhibit unacceptable levels of toxicity at a dosage that is effective for the treatment of hypoxic or ischaemic conditions.
- 23. A non-toxic composition consisting essentially of a compound having the formula (I)

$$\begin{array}{c|c} O & & \\ | & \\ Q - R^{a} - C*H - C - Z_{n} - N - R^{b} - NH - R^{c} - NH - W \\ | & \\ NR^{2}R^{3} & R^{1} \\ & & \\$$

wherein:

Q represents an amidino group, a cyano group or a group of formula XYN-, where

X and Y are the same or different, and each may represent a hydrogen atom, a lower alkyl groups, or simple hetero-atom containing group or, together with the nitrogen atom to which they are attached, form a nitrogen-containing heterocyclic group;

R<sup>a</sup> represents a straight or branched chain alkylene or alkenylene group having from 1 to 6 carbon atoms and each optionally being substituted by from 1 to 4 alkyl groups each having from 1 to 3 carbon atoms;

R<sup>b</sup> and R<sup>c</sup> represents an alkylene or alkylene group having 3 or 4 carbon atoms in a straight chain, each being optionally substituted by a 1 or 2 alkyl groups each having from 1 to 3 carbon atoms, the total number of carbon atoms in said straight chains of R<sup>b</sup> and R<sup>c</sup> being 7;

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R<sup>2</sup> and R<sup>3</sup> are the same as or different from each other and each represents a hydrogen atom, or a group of formula R, RCO-, ROCO-, or RNHCO-, where

R represents a lower alkyl group or an aryl group, said alkyl or aryl group being optionally substituted by one or more of the substituents a, defined below;

the chiral carbon atom indicated by the asterisk is in the  $\underline{L}$  configuration;

Z is an aromatic amino acid residue;

n is 0 or 1;

R<sup>1</sup> represents a hydrogen atom or a lower alkyl group or an aryl group, said alkyl or aryl group being optionally substituted by one or more of the substituents a, defined below;

W represents a hydrogen atom or/an alkyl or aryl group; and

substituents a are selected from: halogen atoms, amino groups, alkylamino groups, dialkylamino groups, cyano groups, hydroxy groups, alkyl groups (except when the substituted group is akyl), anyl groups, carbamoyl groups, alkylcarbamoyl groups, dialkylcarbamoyl groups and carboxy groups and esters thereof;

and pharmaceutically acceptable salts thereof.

24. The composition of claim 23 which contains less than 1% of contaminants.

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